L2 ANSWER 6 OF 48 CA COPYRIGHT 2004 ACS on STN
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TI Cement binder with accelerator for cold-bonded ore **pellets** with fines
IN Bandyopadhyay, Sibdas; Dutta, Dipak Kumar; Gupta, Surajit; Bordoloi, Dipak
PA Council of Scientific and Industrial Research, India
SO Indian, 19 pp.
CODEN: INXXAP
DT Patent
LA English
IC ICM C22B001-243
CC 54-1 (Extractive Metallurgy)
Section cross-reference(s): 58
FAN.CNT 1

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AB High-strength **pellets** are manufd. from the mixt. with ore fines 80-90, **portland cement clinker** 7-10, and accelerator 0.4-2.8%, and are heated for 2-4 h at 40-90.degree., hardened in steam for 3-10 h at 5-40 psi, and heated further for 2-40 h at 80-200.degree. for drying. The accelerator is CaCl2 and/or Ca formate. The **pellets** of 15-20 mm diam. show crush strength of nominally 200 kg/**pellet**. The **pelletizing** process is suitable for the ores of Fe, Cr, or Mn.
ST ore **pelletizing** cement binder accelerator; calcium chloride cement ore **pelletizing**; formate calcium cement ore **pelletizing**
IT Cement
(ore **pelletizing** binder, calcium chloride or formate in, as